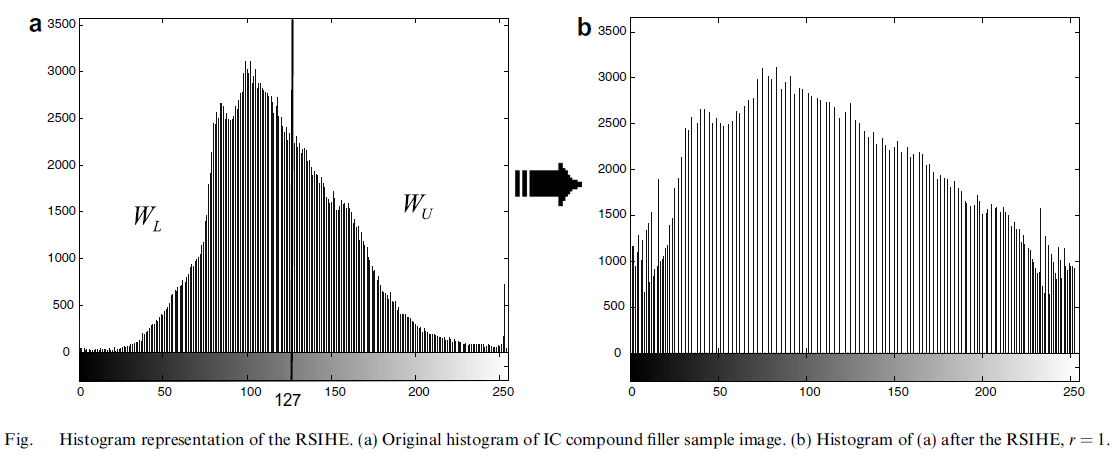
recursive sub-image histogram equalization (RSIHE) is developed to overcome the drawbacks of generic histogram equalization (HE) for gray scale images. Compared to some of the conventional HE methods, such as bi-histogram equalization and recursive mean-separate histogram equalization, the proposed RSIHE method yields better image compensation. RSIHE and RMSHE share the same characteristics in equalizing an input image sub-images, except that RSIHE chooses to separate the histogram based on gray level with cumulative probability density equal to 0.5.



Reference:

<https://reader.elsevier.com/reader/sd/pii/S0167865507000578?token=9D29B60A3A2CDEB5B677A012C187DE76772A6560BEAAC5A0D541868ED8C6610EF9972F2745D51EF2CF58F32878E98446&originRegion=eu-west-1&originCreation=20220213100831>